

Message Text

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ORIGIN OES-06

INFO OCT-01 IO-13 ISO-00 ERDA-05 ACDA-07 L-03 NRC-05
AID-05 CEQ-01 CIAE-00 COME-00 DODE-00 EB-08
EPA-01 INR-07 NSF-01 NSC-05 NSAE-00 PM-04 USIA-06
SS-15 SP-02 INT-05 FEA-01 /101 R

DRAFTED BY OES/NET/RD:VEADLER:LL
APPROVED BY OES/NET/RD:JBORIGHT
ERDA - MR. BRENNER
ACDA - MR. HOUCK
L/OES - MR. SIEGAL
ERDA - MR. BRUSH (DRAFT)
NRC - MR. PETERSON
NRC - MR. JIARRATANA
-----260123Z 117024 /72-62
P 252348Z MAR 77
FM SECSTATE WASHDC
TO USMISSION IAEA VIENNA PRIORITY

C O N F I D E N T I A L STATE 067093

E.O. 11652: GDS

TAGS: TECH, ENRG, IAEA

SUBJ: U.S. VOLUNTARY OFFER -- ENVIRONMENTAL EFFECTS
ASSESSMENT

1. AN ENVIRONMENTAL ASSESSMENT IS BEING PREPARED IN ORDER
TO DETERMINE IF THERE IS NEED (UNDER U.S. DOMESTIC LAW)
FOR AN ENVIRONMENTAL IMPACT STATEMENT BY THE USG RELATING
TO THE U.S. VOLUNTARY OFFER ON AGENCY SAFEGUARDS. ASSESS-
MENT WILL TAKE INTO CONSIDERATION THE POTENTIAL FOR
BOTH FAVORABLE AND UNFAVORABLE EFFECTS ON U.S. ENVIRON-
MENT.

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2. IN DEVELOPING THE DESIRED RECORD OF FACTS ASSOCIATED
WITH THE ASSESSMENT, IT WILL BE OF GREAT VALUE FOR US TO
RECEIVE FROM THE AGENCY THE FOLLOWING ESTIMATES OF
EXPECTED AGENCY INSPECTION ACTIVITY IN THE U.S. UNDER
THE U.S. VOLUNTARY OFFER, PREFERABLY ON AN ANNUAL
BASIS:

" (A) THE AMOUNT OF INSPECTION EFFORT (IN MAN-DAYS PER YEAR) PER FACILITY PROJECTED FOR EACH FACILITY TYPE;

(B) THE NUMBER OF FACILITIES OF EACH TYPE TO BE INSPECTED;

(C) THE NUMBER, QUANTITIES AND CONTENTS OF SAMPLES TO BE TAKEN BY FACILITY TYPE; AND

(D) A DESCRIPTION OF SAMPLE HANDLING, INCLUDING ANALYSES TO BE PERFORMED IN U.S. LABORATORIES AND SEA SHIPMENT AND AIR MAILING OR OTHER ACTIVITIES WHICH MIGHT BE ASSOCIATED WITH POTENTIAL ADVERSE ENVIRONMENTAL EFFECTS IN EVENT OF MISHAP AND WHICH COULD BE LINKED WITH IAEA INSPECTION ACTIVITY IN U.S.

3. DEPARTMENT RECOMMENDS THAT AGENCY BE REQUESTED TO CONSIDER ITS ESTIMATES IN LIGHT OF ACTUAL EXPERIENCE AND ANTICIPATED INCREASES DURING NEXT SEVERAL YEARS.

4. IN ORDER TO MINIMIZE THE POSSIBILITY FOR MISUNDERSTANDING BY AGENCY PERSONNEL WITH REGARD TO THE U.S. NEED FOR THESE DATA, THE FOLLOWING TALKING POINTS ARE PROVIDED FOR YOUR USE WITH AGENCY:

(1) THE U.S. GOVERNMENT MUST EXAMINE THE POTENTIAL POSITIVE AND NEGATIVE EFFECTS OF THE US/IAEA AGREEMENT UPON THE ENVIRONMENT.

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(2) THE U.S. HAS, AS A PART OF ITS DOMESTIC SAFEGUARDS ACTIVITY, A SAFEGUARDS INSPECTION ORGANIZATION AND REQUIREMENTS FOR INSPECTOR ACTIVITIES, INCLUDING SAMPLE TAKING AND RELATED ANALYSIS. THE IAEA SAFEGUARDS INSPECTION ACTIVITIES WILL BE SUPERIMPOSED UPON THE DOMESTIC SYSTEM AND ONLY POTENTIAL INCREMENTAL EFFECTS UPON THE ENVIRONMENT ARE RELEVANT TO THE ASSESSMENT.

(3) BECAUSE OF 1 AND 2 ABOVE, THE U.S. WISHES TO QUANTIFY TO THE EXTENT POSSIBLE AND WITH AGENCY GUIDANCE THE AMOUNT OF SAFEGUARDS ACTIVITY WHICH THE US/IAEA AGREEMENT REPRESENTS.

(4) WHILE WE REALIZE THAT THE INSPECTION EFFORT BY THE AGENCY AT U.S. FACILITIES IS IN PART A FUNCTION OF AVAILABLE RESOURCES, WE ENLIST THEIR COOPERATION IN ESTIMATING, POSSIBLY WITHIN A RANGE FOR EACH FACILITY TYPE, THE ANNUAL INSPECTION ACTIVITY LEVELS OF THE AGENCY UNDER THE AGREEMENT.

6. FYI. WE ARE AWARE THAT SOME OF DATA REQUESTED ARE STATED ON PAGES 6 AND 7 OF AGENCY PAPER BY FRENZEL ET AL ENTITLED QUOTE PREPARING THE IMPLEMENTATION OF NPT SAFE-GUARDS IN THE USA UNQUOTE. USG DESIRES CONFIRMATION OR ADJUSTMENT AT DDG LEVEL TO THESE DATA. IN ADDRESSING INSPECTION ACTIVITY LEVEL FOR FUEL FABRICATION FACILITY, ASSUME ANTICIPATED ANNUAL THROUGHPUT OF APPROXIMATELY 1,000,000 KG. URANIUM; LICENSED PLANT CAPACITY OF 45,000 KG U-235 AT UP TO 5 PERCENT ENRICHMENT; AND ANNUAL PRODUCTION APPROXIMATELY 4000 FUEL BUNDLES. END FYI.

7. THESE DATA ARE REQUESTED BY MID-APRIL IF POSSIBLE IN ORDER TO COMPLETE U.S. ENVIRONMENTAL ASSESSMENT.
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Message Attributes

Automatic Decaptioning: X
Capture Date: 01-Jan-1994 12:00:00 am
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Current Classification: UNCLASSIFIED
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Sent Date: 25-Mar-1977 12:00:00 am
Decaption Date: 01-Jan-1960 12:00:00 am
Decaption Note:
Disposition Action: RELEASED
Disposition Approved on Date:
Disposition Case Number: n/a
Disposition Comment: 25 YEAR REVIEW
Disposition Date: 22 May 2009
Disposition Event:
Disposition History: n/a
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Subject: U.S. VOLUNTARY OFFER -- ENVIRONMENTAL EFFECTS ASSESSMENT
TAGS: TECH, ENRG, US, IAEA
To: IAEA VIENNA
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